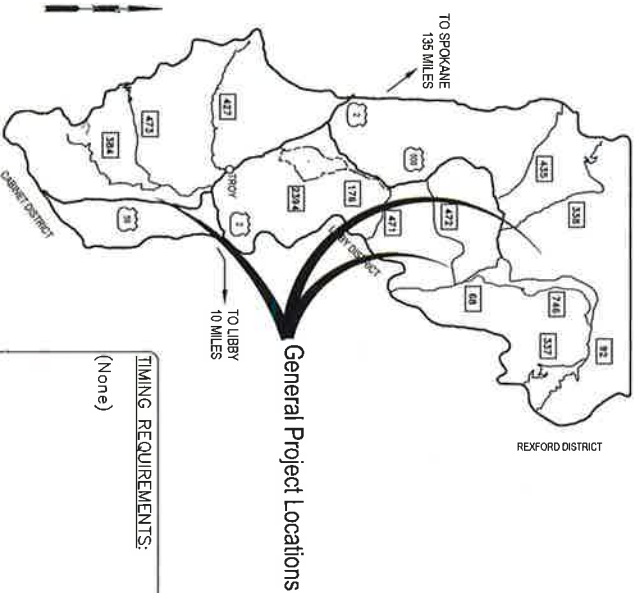
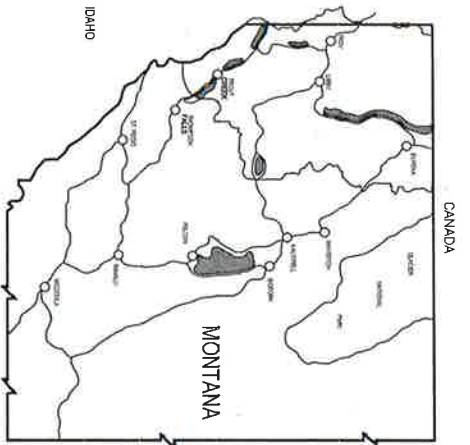


Appendix M Project 13

UNITED STATES DEPARTMENT OF AGRICULTURE
FOREST SERVICE - REGION ONE
OLY MOLY STEWARDSHIP PLANS FOR
OPTIONAL ROAD MAINTENANCE
LINCOLN COUNTY, MONTANA
**Optional District Gate
Replacement Project**
KOOTENAI NATIONAL FOREST
THREE RIVERS RANGER DISTRICT



General Project Locations

INDEX	
SHEET DESCRIPTION	PAGE NO.
Title Sheet	1
Project Map	2
Quantities & Notes	3
Gate Details	4
Gate Signin & Boulder Details	5

TIMING REQUIREMENTS:
(None)

PREPARED BY: [Signature] 9/7/16
PROJECT ENGINEER DATE

REVIEWED BY: [Signature] 9/7/16
ZONE ENGINEERING TEAM LEADER DATE

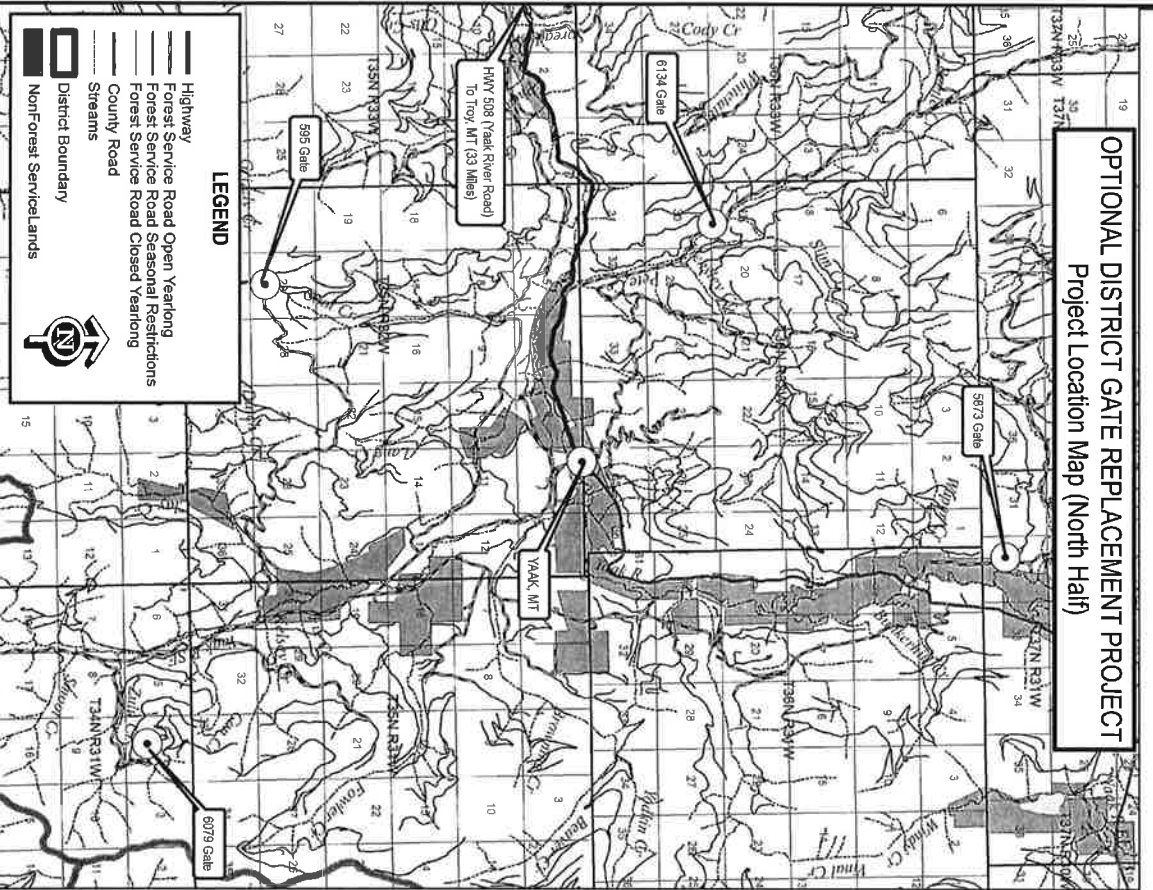
MULTIPLE RESOURCE REVIEW BY: [Signature] 9-7-16
DISTRICT RANGER DATE

I certify that this project has been designed in accordance with sound engineering practice.
[Signature] 9/9/16
FOREST ENGINEER DATE

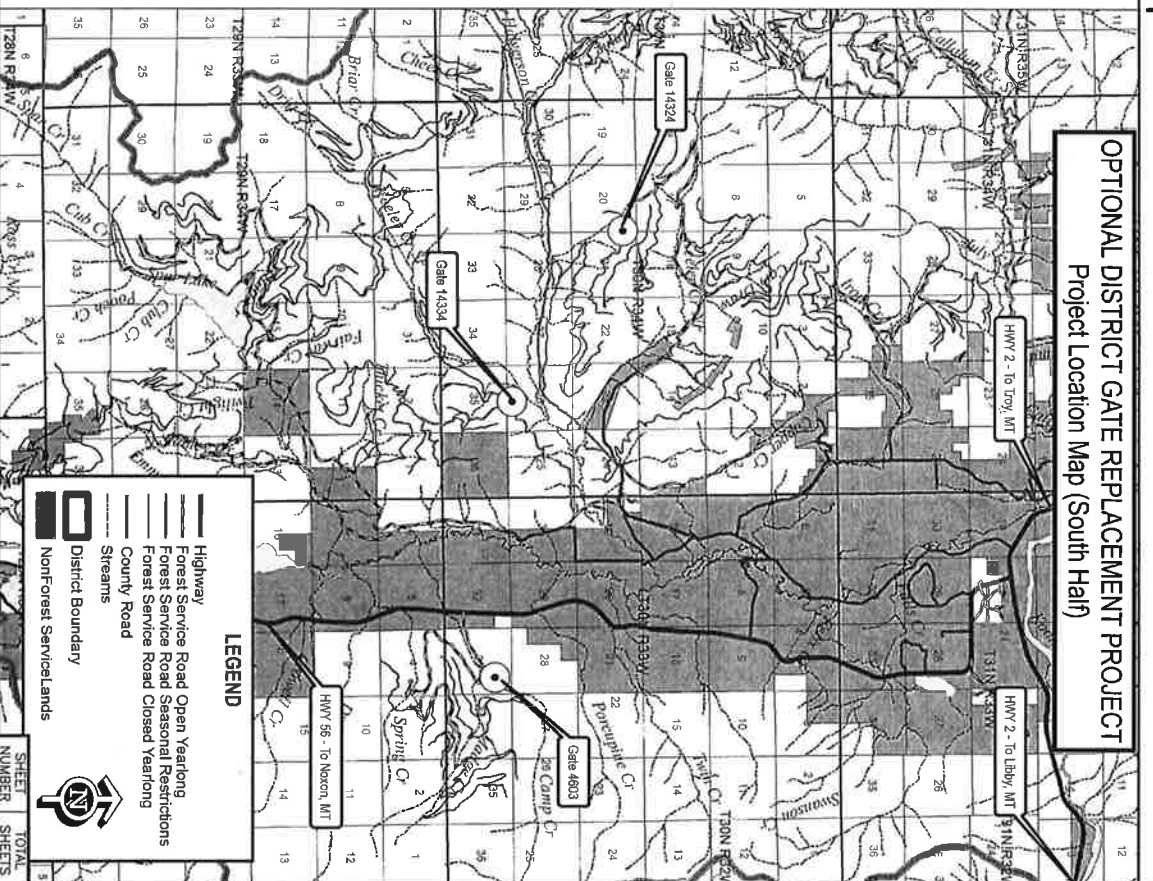
SHEET NUMBER	TOTAL SHEETS
1	5

Project Map

OPTIONAL DISTRICT GATE REPLACEMENT PROJECT Project Location Map (North Half)



OPTIONAL DISTRICT GATE REPLACEMENT PROJECT Project Location Map (South Half)



OPTIONAL DISTRICT GATE REPLACEMENT PROJECT

SHEET NUMBER	TOTAL SHEETS
2	5

Summary of Quantities & General Notes

ITEM NO	ITEM DESCRIPTION	METHOD OF MEASURE	UNIT OF MEASURE	GATE 5873	GATE 6134	GATE 595	GATE 6079	GATE 14324	GATE 14334	GATE 4603	TOTAL
15101	MOBILIZATION	LSQ	LS	ALL	ALL	ALL	ALL	ALL	ALL	ALL	ALL
20301	REMOVAL OF EXISTING GATE	AQ	EA	1	1	1	1	1	1	1	7
62201	EQUIPMENT RENTAL, EXCAVATOR W/ THUMB	AQ	HR	0.5	0.5	0.5	0.5	0.5	0.5	0.5	3.5
65001	FURNISH AND INSTALL ROAD CLOSURE DEVICE, CUSTOM GATE, SIZE 12'	AQ	EA	1	1	1	1	1	1	1	7
65001	FURNISH AND INSTALL ROAD CLOSURE DEVICE, BOULDER, SMALLEST DIMENSION 2'	AQ	EA	4	4	4	4	4	4	4	28

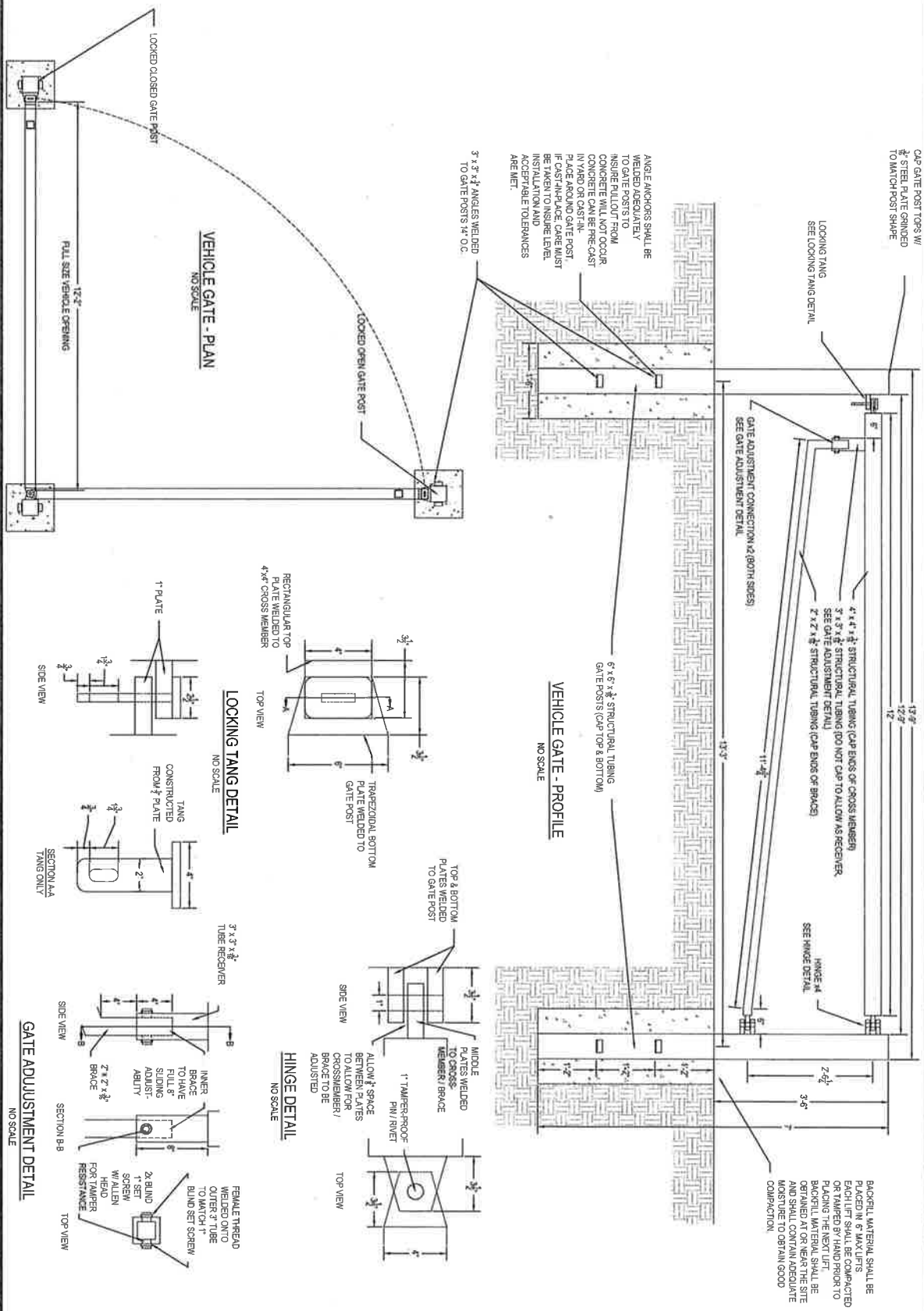
GENERAL NOTES:

- CONSTRUCT THE PROJECT IN COMPLIANCE WITH FEDERAL HIGHWAY ADMINISTRATION STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAY PROJECTS (FP-03) AND APPLICABLE FOREST SERVICE SUPPLEMENTAL SPECIFICATIONS (FSSS) FOUND IN THE MASTER STEWARDSHIP AGREEMENT.
- ITEM 20301 GATE REMOVAL SHALL BE FOR COMPLETE REMOVAL, HAUL, AND FINAL DISPOSAL OFF NATIONAL FOREST LANDS.
- ITEMS 62201 SHALL BE CONSIDERED FOR WORK NOT INCIDENTAL TO PAY ITEMS LISTED ON THIS SHEET (SEE NOTE BELOW). THE GOVERNMENT RESERVES THE RIGHT TO EXERCISE THE OPTIONAL EQUIPMENT RENTAL BY THE END OF THE PROJECT.
- CUSTOM GATE SHALL BE FABRICATED ACCORDING TO SPECS I AND OUT ON SHEET 4. RED PRIMER SHALL BE APPLIED TO ALL EXPOSED METAL SURFACE TO PROVIDE ADEQUATE RUST PROTECTION AND APPEAR UNIFORM IN COLOR. SIGNING SHALL BE IN ACCORDANCE TO SHEET 5 AND MUTCD. FINAL LOCATION OF FINISHED GATE SHALL BE LOCATED IN THE FIELD AT TIME OF INSTALLATION.
- ITEM 65001 FURNISH AND INSTALL BOULDERS SHALL BE RESPONSIBILITY OF CONTRACTOR TO PROVIDE ADEQUATE MATERIAL. THE INTENT OF THIS PAY ITEM IS TO PROVIDE ADDITIONAL ROAD CLOSURE CAPABILITY AROUND NEW GATE INSTALLS. FINAL LOCATION AND SPACING OF BOULDERS SHALL BE LOCATED IN THE FIELD BY THE CO AT TIME OF GATE INSTALLATION.
- ALL ITEMS OF REQUIRED WORK FOR MENTIONED ROAD SLIDE AND BRIDGE REPAIR NOT FOUND IN THE SUMMARY OF QUANTITIES ABOVE SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND WILL NOT BE PAID OUT AS SEPARATE PAY ITEMS. THESE ITEMS INCLUDE BUT ARE NOT LIMITED TO: TRAFFIC CONTROL, SITE PREPARATION, AND GATE FABRICATION.

OPTIONAL DISTRICT GATE REPLACEMENT PROJECT

SHEET NUMBER	TOTAL SHEETS
3	5

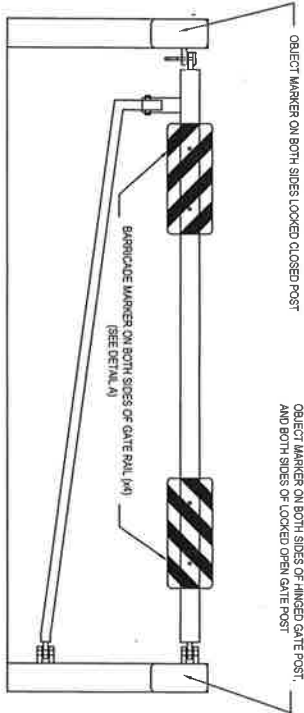
Gate Details



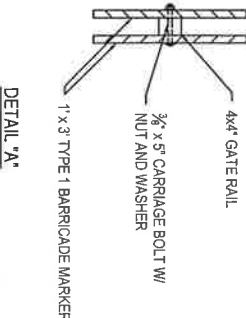
OPTIONAL DISTRICT GATE REPLACEMENT PROJECT

SHEET NUMBER	TOTAL SHEETS
4	5

Gate Sign & Boulder Details

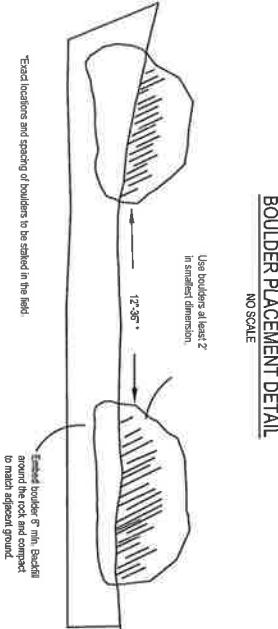


GATE SIGN DETAIL
NO SCALE



DETAIL "A"

- GATE SIGN NOTES:
1. BARRICADE MARKERS SHALL MEET MUTCD REQUIREMENTS FOR TYPE 1 (FBI-M, AND FBI-M-R), COLOR - RED & WHITE, 4 REQUIRED, 2 LEFT SIDE STRIPE, 2 RIGHT SIDE STRIPE.
 2. OBJECT MARKERS SHALL MEET MUTCD REQUIREMENTS TYPE 2, 6 REQUIRED, 2 ON EACH SIDE OF POSTS DESIGNATED.
 3. ALL MARKERS SHALL MEET MUTCD REQUIREMENTS FOR HIGH INTENSITY PRISMATIC RETRO-REFLECTIVE SHEETING.



BOULDER PLACEMENT DETAIL
NO SCALE

OPTIONAL DISTRICT GATE REPLACEMENT PROJECT

SHEET	TOTAL
NUMBER	SHEETS
5	5

(Timber Sale)

Road No.	Various
----------	---------

Length (Miles) Various[illegible]

Engineer's Estimate
(Timber Sale)

Timber Sale OLY MOLY Optional Gate Replacement

Road No. Various

Road Name Various

Length (Miles) Various

Item Number	Description	Method of Meas.	Unit	Quantity	Unit Price	Total
----------------	-------------	--------------------	------	----------	------------	-------

SUB-TOTAL: \$ 47,004.21

TOTAL ALL ROADS: \$ 47,004.21